

Location on myosin	Residue	Counterpart	Location on myosin
Blocked Head SH3 domain (residues 33-77) and helix C (residues 96-110), chain A	Asp55 Lys77	Lys1423 Glu1434	Segment-2, chain G
Blocked Head SH1-helix (residues 710-719) and Converter (residues 722-788), chain A	Arg718 Glu761 Glu761 Arg777	Asp1437 Lys1454 Lys1457 Asp1443	Segment-2, chain G
Blocked Head ELC, chain C	Glu47 Lys50 Lys50 Glu68	Arg1485 Asp1478 Glu1481 Arg1496	Segment-2, chain H
Segment-2, chain H Close to bend 2	Glu1518 Glu1518 Asp1521 Asp1521	Lys1538 Arg1541 Lys1540 Arg1541	Segment-3, chain G Close to bend 2
Blocked Head Loop O, chain A	Lys454 Arg455	Glu1595 Glu1610	Segment-3, chain H
Free Head Loop O, chain B	Lys454	Glu907	Segment-1, chain A (Ring 1)
Free Head Loop 2, chain H	Asp627 Asp629 Arg630	Arg918 Lys922 Glu925	Segment-1, chain A
Free Head HCM loop	Arg411 Arg411	Glu938 Glu941	Segment-1, chain B (Ring 2)
Segment-3, chain G	Lys1626 Lys1633 Lys1633 Glu1636 Asp1640 Asp1640 Lys1644	Glu907 Glu907 Glu914 Arg918 Arg918 Lys922 Glu925	Segment-1, chain B R1:E905-R916 R2:E932-Q946 R3:A955-E969
Segment-3, chain G	Lys1651 Lys1655	Glu934 Glu941	Segment-1, chain A (Ring 2)
Free Head loop between helix E and β 4,	Arg168 Glu169 Glu169	Asp397 Arg400 Arg406	Blocked Head helix M, chain A Blocked Head Helix N, HCM loop
Free Head β 4, Blocked Head RLC/LCD	Asp170 Asp98 Arg827 Glu112	Arg406 Arg1570 Asp1566 Arg1584	Blocked head HCM loop, Segment-3, chain H